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KODAMA et al.(10) **Pub. No.: US 2021/0255173 A1**(43) **Pub. Date: Aug. 19, 2021**(54) **METHODS FOR ASSESSING CELL SURFACE GLYCOSYLATION**(71) Applicant: **Juno Therapeutics, Inc.**, Suite 1200, WA (US)(72) Inventors: **Paul Ken KODAMA**, Seattle, WA (US); **Tom KOWSKI**, Seattle, WA (US); **Mirna MUJACIC**, Seattle, WA (US); **Kenneth Mayo PRENTICE**, Seattle, WA (US)(73) Assignee: **Juno Therapeutics, Inc.**, Seattle, WA (US)(21) Appl. No.: **16/604,547**(22) PCT Filed: **Apr. 13, 2018**(86) PCT No.: **PCT/US2018/027666**

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(57)

ABSTRACT

Provided herein are methods for assessing cell surface glycans, e.g., N-glycans, by assessing a sample of released surface glycans, and determining the presence, absence, or level of glycans present in the sample. Also provided are methods of assaying and/or evaluating a cell composition by assessing the cell surface glycan profile of the cell composition and comparing the profile to a reference sample. Methods for manufacturing and/or culturing a plurality of cell compositions having consistent surface glycan expression with low variability are also provided.

Specification includes a Sequence Listing.